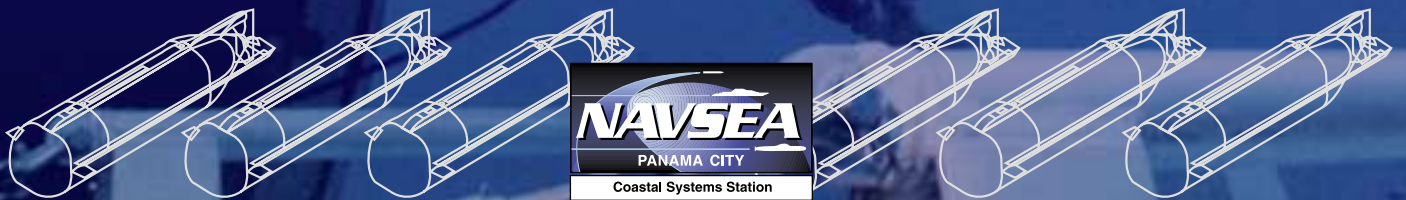




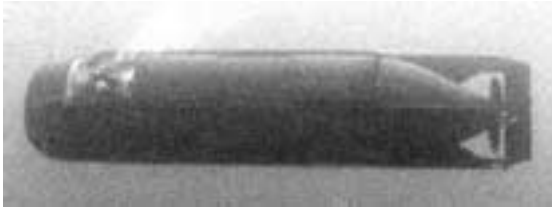
SEAL Delivery Vehicle

NAVAL SEA SYSTEMS COMMAND

NAVAL SURFACE WARFARE CENTER
DAHLGREN DIVISION



C O A S T A L S Y S T E M S S T A T I O N



The Product

The MK 8 SEAL Delivery Vehicle (SDV) is an underwater vehicle used to deliver sea, air, and land capability personnel (SEALs) and their equipment to mission areas. The vehicle operates in a fully flooded state, is battery-powered, and contains both a navigation and a communication suite. The MK 8 SDV is capable of delivering several fully equipped SEALs to a mission area, remaining in the area until the mission is completed, retrieving the SEALs, and retiring from the area—all while remaining completely submerged.

The Team

The Special Operations Division of the Coastal Systems Station (CSS) is the In-Service Engineering Agent (ISEA) for the SDV and has provided this support for more than 25 years. As part of the responsibility of an ISEA, CSS has provided life-cycle maintenance support, including modifications and updates to the systems and the SDV.

During this period, the scientists, engineers, and technicians at CSS, working in close coordination with Naval Special Warfare (NSW) SDV operators, have accumulated a unique data base of expertise in underwater mobility. At the same time, CSS's life-cycle support experts have developed and perfected a system of logistics, configuration management, training, and documentation for the SDV that is recognized as one of the best maintenance support systems in the Navy.



Developments

CSS developed and recently introduced the updated MK 8 MOD 1 SDV to the SEAL Teams. Its design and development were products of a technical team and specialized resources built over many years. Drawing upon their extensive knowledge of underwater mobility platforms, the team fabricated a full-scale, operational prototype. Then, working closely with experienced SEAL SDV operators, the prototype was successfully tested and evaluated.

The MOD 1 SDV has twice the range of the MOD 0 and a 50 percent higher top speed. It is quieter, has improved electronics and more cargo space, and is easier to maintain.

CSS is devoting the expertise gained from years of supporting NSW's SDV RD&A program to providing life-cycle sustainment support for other Special Operations systems.



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